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**From:** Fennessy, Christopher [christopher.fennessy@Rocket.com]  
**Sent:** 8/26/2019 9:34:53 PM  
**To:** MacDonald, Alex@Waterboards [Alex.MacDonald@waterboards.ca.gov]  
**CC:** ROJAS-MICKELSON, DAEWON [rojas-mickelson.daewon@epa.gov]; MacNicholl, Peter@DTSC [Peter.MacNicholl@dtsc.ca.gov]  
**Subject:** RE: [EXTERNAL] Area 40 RDIP

Hi Alex – Appreciate your comments. Please see below. Let me know if you have questions. Chris

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**From:** MacDonald, Alex@Waterboards [mailto:Alex.MacDonald@waterboards.ca.gov]  
**Sent:** Thursday, August 22, 2019 3:22 PM  
**To:** Fennessy, Christopher  
**Cc:** ROJAS-MICKELSON, DAEWON (rojas-mickelson.daewon@epa.gov); MacNicholl, Peter@DTSC  
**Subject:** [EXTERNAL] Area 40 RDIP

Chris: I noted a few things in skimming through the Final RDIP:

1. There is no discussion of adding moisture to aid in compaction of the soils during backfilling of the excavation areas. That is standard practice and there is usually a specification as to how much water will be applied. The RDIP requires 90% compaction. I do not believe it is necessary to provide the Contractor with the steps needed to compact the material. This is a common requirement and the Contractor is required to employ a geotechnical engineer to confirm compaction.
2. The compaction will utilized a vibrating roller or compactor. There is no discussion of how that apparatus will be placed into the excavation to perform that task. There is no discussion of providing a ramp down to the bottom of the excavation to facilitate the equipment placement. The compaction of backfill material in excavations is a common requirement. I do not believe it is necessary to provide direction to the Contractor on how to accomplish this requirement.
3. Page 14, last paragraph. This discussion only applies to the excavations at 36B and 37B but there is no statement that this is the case. Good catch; however, the construction drawings in Appendix C show that these requirements only apply to 36B and 37B. The Contractors are well aware of this requirement and are bidding the project as such.
4. Additional groundwater monitor points will need to be added to the groundwater monitoring program for monitoring the performance of the PRB. This does not need to be done until after construction of the PRB. Agreed.

I do not expect a modification of the RDIP. I just want to bring these things to your attention.

Alex